1/2

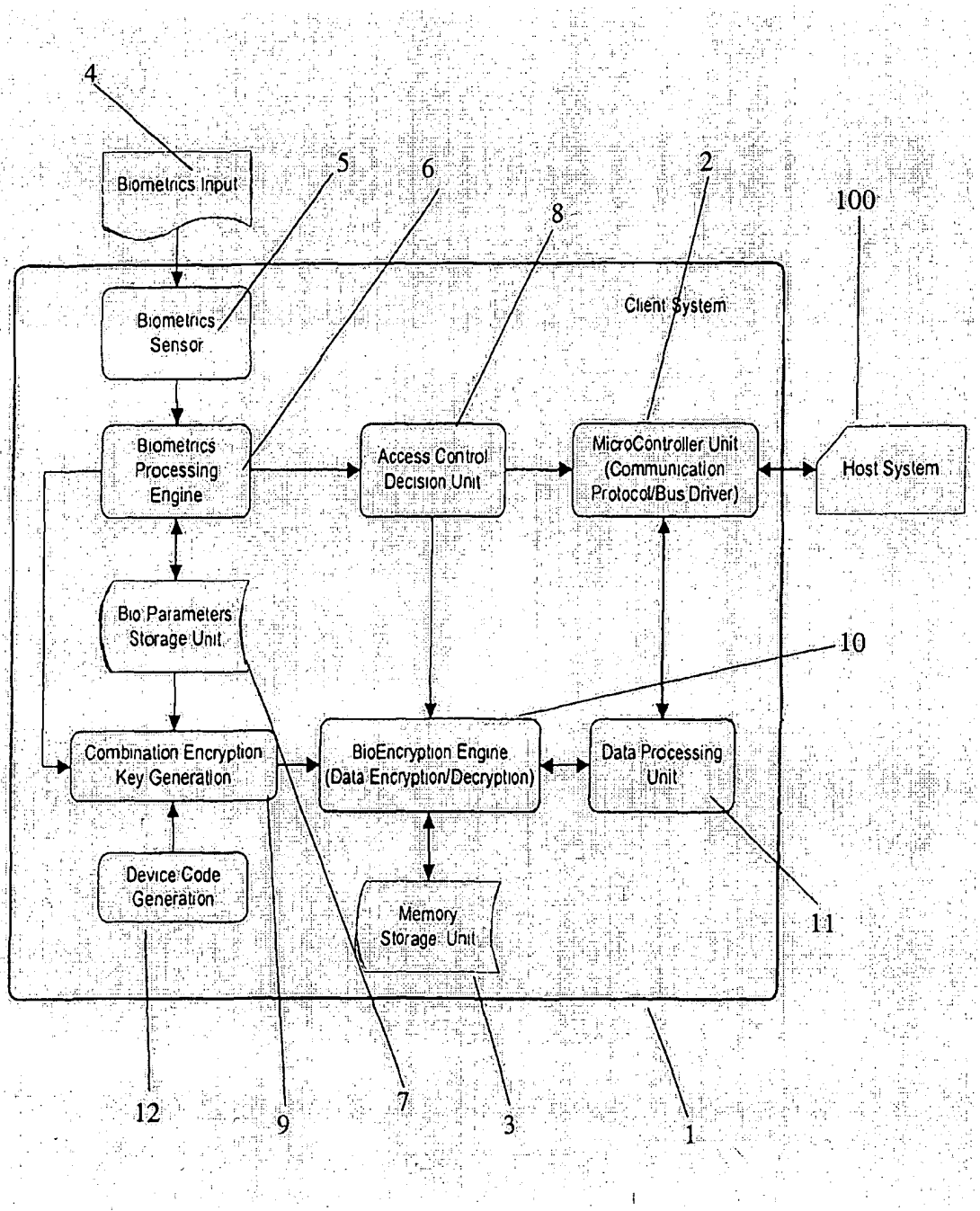
4
Biometrics Input
5
6
8
2
100
Client System
Biometrics Sensor
Biometrics Processing Engine
Access Control Decision Unit
MicroController Unit (Communication Protocol/Bus Driver)
Host System
Bio Parameters Storage Unit
10
Combination Encryption Key Generation
BioEncryption Engine (Data Encryption/Decryption)
Data Processing Unit
Device Code Generation
Memory Storage Unit
11
12
9
7
3
1

FIGURE 1

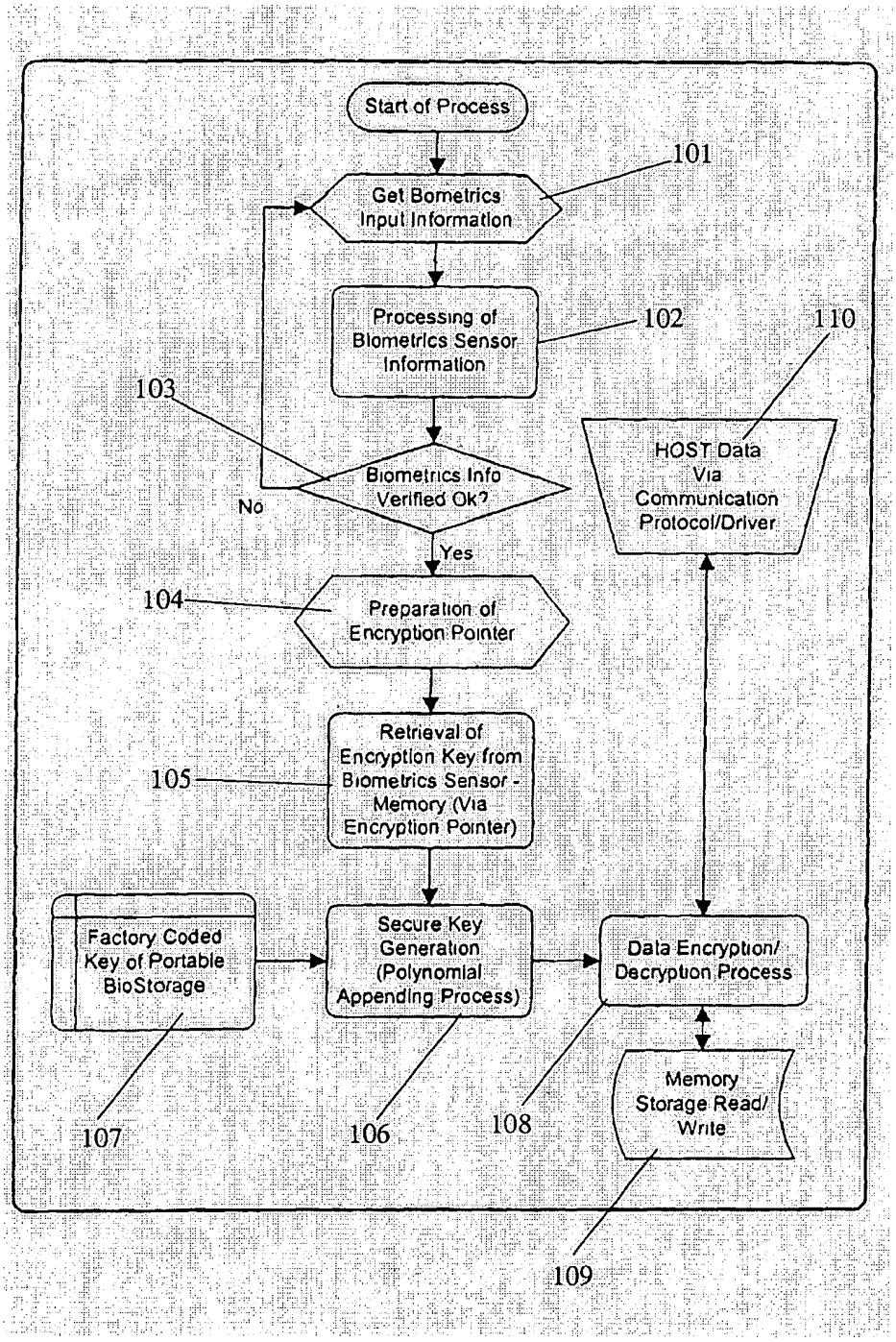
Start of Process
Get Bometrics Input Information
101
Processing of Biometrics Sensor Information
102
110
103
Biometrics Info Verified Ok?
No
Yes
HOST Data Via Communication Protocol/Driver
104
Preparation of Encryption Pointer
Retrieval of Encryption Key from Biometrics Sensor - Memory (Via Encryption Pointer)
105
Factory Coded Key of Portable BioStorage
Secure Key Generation (Polynomial Appending Process)
Data Encryption/ Decryption Process
Memory Storage Read/ Write
107
106
108
109

FIGURE 2